



NOVEL NUCLEIC ACID PROBES, METHOD FOR DETERMINING
CONCENTRATIONS OF NUCLEIC ACID BY USING THE PROBES,
AND METHOD FOR ANALYZING DATA OBTAINED BY THE METHOD

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BACKGROUND OF THE INVENTION

a) Field of the Invention

This invention relates to novel nucleic acid probes each of which is labeled with a fluorescent dye and/or a quencher substance. Specifically, a single-stranded oligonucleotide is labeled with the fluorescent dye and/or the quencher substance such that the intensity of fluorescence in a hybridization reaction system increases or decreases when the nucleic acid probe is hybridized with a target nucleic acid. This invention also relates to a method for determining a concentration of a nucleic acid by using the nucleic acid probe. The present invention is also concerned with determination kits, determination devices, and various measurement systems associated with such kits or devices. The present invention also pertains to a method for analyzing the kinds and amounts of various nucleic acids, a method for analyzing data obtained by such methods, and computer-readable recording media with procedures, which are required to have steps of the analysis method performed by a computer, recorded as a program.

b) Description of the Related Art

25 A variety of methods are conventionally known to